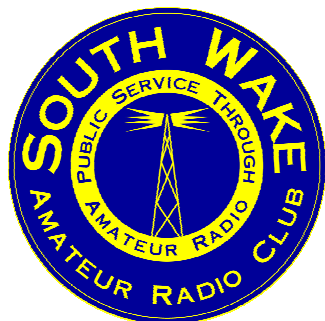




SWARCER NEWS

May 2009

Special Points of Interest

- Net nightly at 7:30 on the 147.195 repeater
- Tuesday night traders net at 8:00 PM on the 147.195 repeater
- Next meeting:
June 1, 2009 at 7PM
FV PresbyteriaChurch
307 N Ennis Street
Fuquay-Varina
- The June premeeting meal will be hamburgers and hotdogs.

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2009 ARRL FIELD DAY - JUNE 27-28

Well, Dayton is upon us again and you know what that means, SouthWake A.R.C.'s First Inaugural Summer Field Day is next month, June 27-8, 2009. We will be running a 5 alpha on WE Medlin Farm at 8514 Purfoy Road in Fuquay-Varina. So, if you're planning to attend, please be sure to attend our June meeting which will be on June 1, where we will be discussing the details.

This year's stations captains are as follows:

Jim W4VCF 6 meters CW/SSB;
Steve KA0GMY 10-80 CW;
NC4MP 10-80 PSK;
KI4YX0 10-20 SSB;
Jeremy KJ4FYX and Phil AE4PC 40-160 SSB.

In addition, Thomas WW4TLB has volunteered to run talk-in and Tim W4TAR will be our chef for the weekend. A special thanks goes out to these guys for stepping up and volunteering their time and equipment. Show your gratitude and support by coming out and helping keep these stations and for the entire 24 hour period. Directions and more information can be found on the South Wake website, www.southwakearc.com

This year's stations will be as follows:

AE4PC / KJ4FYX	40/80/(160)	SSB	Multi-band Wire
NC4RA	10/15/20	SSB	Tri-band Beam
KA0GMY	10-80	CW	Vertical
NC4MP	10-80	PSK	Multi-band Wire
W4VCF	6	SSB	Wire Loop

With these five stations, everyone who wants to work a rig will be able to get some serious radio time in. If you're limited on time and would like to work a particular station, email me at rwavery@charter.net and I'll setup a relaxed schedule for each station. Otherwise come on out and if you see a station not occupied, jump in the drivers seat and help keep all our stations running for 24 hours straight. Make sure you have June 27 & 28 blocked out on your calendars and check the website, www.southwakearc.com for updates!

The official 2009 ARRL Field Day Web page is up and running <<http://www.arrl.org/FieldDay>>. This page includes a summary of available resources, with links to Field Day forms and rules, logos and reference links. The page also includes a quick link to the map-based Field Day Station Locator where users can search for public Field Day sites.

73, Ryan

DANNY HAMPTON K4ITL "AMATEUR OF THE YEAR"

The Dayton Hamfest has selected our own Danny Hampton, K4ITL, as "Amateur of the Year". Danny is the architect of the Piedmont Coastal Repeater Network, established in the early 1970s, which today sports more than 40 machines in North Carolina. The system is heavily used for public service work. Hampton has enhanced the network's utility with custom audio processing boards and RF components. The North Carolina Office of Emergency Management and

SKYWARN have recognized the network's vital role in emergency communications. Recently, Danny helped coordinate the development of the "CARES" system - a local hospital-based Amateur Radio emergency repeater system that ties 10 facilities together. A ham since 1958, Danny is the Southeastern Repeater Association (SERA) technical committee chairman as well as the ARRL North Carolina Section Technical Coordinator.

REPEATER NEWS

EMAIL FROM DANNY HAMPTON

On Wednesday, April 29, the 147.195 repeater was replaced with a brand new repeater. Ian Harris and I spent about 3 hours on the tower swapping everything out and running tests on the new equipment. Everything in the cabinet including the repeater's duplexer was replaced. It has been a struggle for the last month keeping the repeater on the air and performance has varied widely with various problems having to be dealt with. I wanted to wait until we got the repeater's antenna problem completely resolved before putting up the new hardware but that wasn't to be. There is still lots of work going on at the tower site as to the installation of various broadcast antennas and facilities that are moving to this tower, so, it still may be a while before we are able to complete the antenna work. In the mean-time, the repeater's performance should be much more reliable now that the hardware has been replaced.

Currently the repeater is operating carrier squelch meaning that tone is not needed to access the repeater. By Monday, May 11th, I intend to turn on PL tone 82.5 and the repeater will then become full-time tone accessed unless an emergency arises that dictates the tone be turned off. Please make sure your radios are programmed with PL tone 82.5 encode only, IE, the repeater does NOT transmit tone on it's output, it only requires tone on it's receive input.

Happy Hamming!

Cordially,

Danny Hampton

K4ITL

HOUSTON REPRESENTATIVE INTRODUCES AMATEUR RADIO BILL IN CONGRESS

Representative Sheila Jackson-Lee (D-TX) introduced HR 2160 -- the "Amateur Radio Emergency Communications Enhancement Act of 2009" -- in the US House of Representatives. This bill, if passed, would "promote and encourage the valuable public service, disaster relief, and emergency communications provided on a volunteer basis by licensees of the Federal Communications Commission in the Amateur Radio Service, by undertaking a study of the uses of Amateur Radio for emergency and disaster relief communications, by identifying unnecessary or unreasonable impediments to the deployment of Amateur Radio emergency and disaster relief communications, and by making recommendations for relief of such unreasonable restrictions so as to expand the uses of Amateur Radio communications in Homeland Security planning and response."

If enacted into law, HR 2160, would instruct the Secretary of Homeland Security to undertake a study and report its findings to Congress within 180 days. The study would

spell out uses and capabilities of Amateur Radio communications in emergencies and disaster relief.

The study shall:

- * Include recommendations for improved integration of Amateur Radio operators in planning and in furtherance of the Department of Homeland Security initiatives.
- * Identify unreasonable or unnecessary impediments to enhanced Amateur Radio communications -- such as the effects of private land use regulations on residential antenna installations -- and make recommendations regarding such impediments.
- * Recommend whether Section 207 should be modified to prevent unreasonable private land use restrictions that impair the ability of amateurs to conduct, or prepare to conduct, emergency communications by means of effective outdoor antennas and support structures at reasonable heights and dimensions for the purpose in residential areas.

MINUTES OF THE MAY MEETING BY KI4TFO JENNIFER AVERY

This meeting was called to order at 7:08 PM

FIELD DAY: Ryan NC4RA reports: Our first Summer Field Day will be held at 8514 Purfoy Road, Fuquay-Varina on June 27-28th. We will run 4 or 5 alpha and that depends on how six meters is running. Field Day runs from noon on Saturday until noon on Sunday.

Steve will run CW 10 through 80 using a vertical.

Phil and Jeremy 40/80/160 and voice

Gino will run 1020

Mark Perkins is running PSK 20/40.

Motion was made to use the club call sign and said Motion passed.

We are in need of tables and chairs – Get up with Ryan if you have access to them.

Thomas and Tim will work on contacting the media about field day.

Ryan noted that we want to make this place look better when we leave it. Please pick up trash while we are out there.

TREASURER'S REPORT: Don reports that we have \$1172.45 in the bank.

BILLS TO PAY: Post Office box fee \$35.00 for six months and \$8.85 for 50/50 tickets.

SECRETARY'S REPORT: Jennifer KI4TFO - Motion was made to enter the minutes as were written in the last newsletter. Motion passed.

MEMBERSHIP CHAIRMAN: Dale was not present. Tim reported that we have 63 regular members 4 associate. New member KG4WLG making 68 members!

PUBLIC SERVICE: First sat in June there is a 5k at the Methodist church – Run for the Quay. We are in need of help. If you hear of any other events, let Thomas know.

NOMINATING COMMITTEE

WEBSITE: two options were Ryan's and Tommy's. Tommy withdrew his option. He doesn't have the time to manage. This leaves us essentially with the website as it stands. Ryan talked about the forum and asked club members to use the forums. When you build stuff, take pictures

and upload onto the site so we can help other hams.

Motion was made to accept Ryan's website. Motion passed.

T-SHIRTS: Jim W4VCF is making T-shirts for Field Day. \$14.00-15.00 a piece. If you want one, let Jim know and your size so he can make one big order. Deadline: end of this week. Will make the order on Friday.

SWAPFEST: Hank, AK4HM agreed to be Swapfest chairman. We will be having a low key free kind of Swapfest with tailgating and drinking coffee. We are targeting October 17th as the date that's been kicked around.

ELECTIONS: June is nominating month and July is voting month and also dues month.

A nominating committee was formed consisting of Phil, AE4PC, Jim K9RII and Mark AJ4KZ. The nominating committee will get back to the group at the next meeting with their recommendations.

Currently have \$132 set aside to donate to PCRN. Motion was made to turn those funds over to Danny. Motion passed.

The club will give a special presentation to Danny at the next meeting.

Motion made to take \$10 of every each members dues and apply it to PCRN. Motion passed.

Motion was made to present the money to PCRN at the June meeting for the funds collected from members from the previous year. Motion withdrawn.

Motion was made to take 1/3 of all dues collected for the 2009-2010 membership. That money will be presented to PCRN in October this year after all dues paid in full and every year thereafter. This 1/3 will cover those new members who only pay a part-year membership. Motion passes.

It was noted that the current money \$132 we collected needs to be presented as well as last year's 1/3. Danny is going to Dayton Hamfest and could use the money to get there. Motion was made to give Danny the \$132 that was collected just for PCRN along with the 1/3 dues from last year's membership and give that money to him immediately, before the Dayton trip. Motion passed.

MINUTES OF THE MAY MEETING

BY KI4TFO JENNIFER AVERY

(Continued)

Don is to call Dale to get the figure from him to calculate the 1/3 to give to PCRN.

MEALS: Motion was made that the charge club charges minimum of \$5 per meal for any meal that has an element being defined as a main course that is supplied by the club. Motion passed.

For any meal not a potluck – the club will now make the whole meal and that amount will be included in the funds collected.

Motion was made that in the event that there is a special meal, the fee can be raised to cover the cost of the food. Motion passed.

People aren't letting Gino know if they are coming to the meeting and it's hard for him to calculate how much food to purchase. Only 8-10 people every month are telling Gino that they are coming.

Motion was made that anyone planning on attending the meeting should tell Gino by the Friday before the meeting at the end of the net or approximately 72 hours prior to the meeting. If you do not tell Gino that you are coming and show up, you will be charge a \$2.50 surcharge. Motion passed.

Motion was made that should Visitors come, they will be excluded from the surcharge. Motion passed.

FUND RAISING COMMITTEE: Jim W4VCF, Thomas WW4TLB and Jim K9RII shall form the committee to come up with way to raise money for the club.

The Church said thank you very much for the donation. Motion was made to made a biannual \$100 donation to the church as a token thank you. Motion passed.

NEXT MEETING: The next meeting is June 1. We will be having a program on lightning protection. Also, Ryan will give a final presentation on Field Day preparations, and we will recognize Danny Hampton. Food for next meeting is hamburgers/hotdogs!

SUMMER PICNIC: NC4RA suggested we do an annual picnic maybe around Labor Day. Will discuss more at next meeting.

35 members and guests attended

APRIL NET REPORT

BY NC4MP MARK PERKINS

SWARC April 2009 Net Report

Hello everyone this is NC4MP Mark in "Beautiful" Pikeville with the SWARC April 2009 net report. April was an out standing month for the net checkin's are on the rise and the repeater has been replaced and it will not be long before the antennas follow suit! I'm sure then even the Cooler Monster KA0GMY will be full quietning into the repeater again even on an HT. Looking forward to that as I am sure you all are too. Had a lot of check-ins for the month and a few new net controls that called a net or two this month which is always good to see.

The numbers for the month are as follows:

Net sessions: 30
Members participating: 43
Visitors participating: 35
Total checkins 645
Average Check -in per net : 21.5

As you can see the numbers were very solid and the average number of check-ins has risen over 20 again as an average check-in per net. It has a been a few months since that has happen. Glad to see it return I think it may have something to do with the several things like the repeater sounding better , it is getting warmer and people are just out and checking in more or maybe everyone just cant resist our wonderful net controllers! Whatever it is I am glad to see it and I encourage you all to keep it up and continue to make the South Wake ARC net the best net in the area!

As I mentioned we have had a few new net controls in the last few weeks call a net or two even and I would like to thank them now AJ4NX Adrian, N4MRW Matt, WW4TLB Thomas. Thanks guys for calling a net you did a great job and I hope to hear you call a net again soon. Anyone interested in calling a net please let me know or even one of the net controls know Im sure we can get you in to let you call a net. You can ask our regular net controllers they are a lot of fun and you will really enjoy it.

APRIL NET REPORT BY NC4MP MARK PERKINS (continued)

We had 18 people check into 20 or more nets for April and they are:

KA0GMY ,KI4WA, AJ4NX,NC4MP, KI4YXO,
WA2YBM, AJ4KZ ,WW4TLB ,KJ4WLG, AE4PC,
KB4RZ , K9RII , AE4ME , KM4TC, KI4VBA, KJ4FYX ,
KI4GNC , KA2GYM.

That is a pretty big group of people to check into 20 or more nets and yes that is members and visitors alike but I think it shows that we have a good solid group of folks who are pretty faithful to the net. I want to thank everyone for the participation they have given.

The check-in champ of the month for April 2009 is the "Cooler Monster" himself KA0GMY Steve Mowels!

Well folks, that is about all I have for the month but looking forward to Field Day coming up shortly in June it will be here before you know it. Also, to everyone going to the Dayton Hamvention this year take care drive safe and have fun and buy some good quality equipment! Other than that everyone keep checking in and BEHAVE yourselves!

73 from "Beautiful" Pikeville,

Mark Perkins
NC4MP

CQ MAGAZINE HF OPERATORS SURVIVAL GUIDE

Dear Fellow Ham,

Welcome to HF, the Heart of Ham Radio! There's something special, something magical, about this little slice of the electromagnetic spectrum. Sure, you can talk long distances using satellite links or internet links, but they've never been able to replace the sense of accomplishment, the pure joy, the fun, of sending a radio signal out into the air and having it come back down a half a world away.

Traditionally, the greatest allure of the HF bands is "working DX," or talking to stations in faraway places. In addition, these bands give you plenty of opportunities for talking to other hams around our own country, and even to your local neighbors. But with ten bands to choose from, and conditions that vary with time of day, time of year and time of the sunspot cycle, getting started can be pretty intimidating.

Our goal with this guide is to help answer some of the most common questions about HF operating and to help you choose the best radio, antenna, and bands for making the contacts you want. For additional information, we encourage you to read *CQ* magazine every month, and to visit our website at <<http://www.cq-amateur-radio.com>>. But your best teachers are experience and your fellow hams. So get on the air, get involved with your local radio club, and most importantly— *have fun!*

73,



Rich Moseson, W2VU
Editor, *CQ* Magazine

The Basics of HF Operating By John Dorr, KIAR

Turning on an HF radio for the first time can seem overwhelming. If you're listening to code (CW), you're convinced that every station can send and copy faster than you can. Phone operators are using terms that you've never heard of and seem to work DX with ease while you're working on getting up enough nerve to simply sign your callsign. Well, there's hope, so read on and discover how easy HF operating actually can be!

The most important fact to remember is that every station you hear on the bands has been where you are today. We all had to begin our HF trek at some point, but the good news is that the learning curve is not steep. For the most part, the best advice is to simply use common sense.

The Basics of HF Operating

By John Dorr, KIAR
(continued)

Let's reveal a few of the basics:

Managing Frequency Use

When operating HF, the best place to be is where others are not. Put another way, QRM interference is not our friend. So if you've built up the nerve to get on the air, try using a few basic techniques:

- 1) Avoid crowded operating conditions.
- 2) Ask if anyone else is using the frequency before you call CQ.
- 3) Listen more than you transmit to learn about band conditions.
- 4) Give the other station the benefit of the doubt when nearby stations come near your operating frequency.

These four tips will go a long way to improving your operating enjoyment on the bands.

Timing

If you're trying to work another station, remember that they can only hear you when they're not transmitting. So, timing your calls is key. But more importantly, real skill comes into play when you learn to time your calls based on what others are doing on the frequency. For example, if you hear a large pileup of stations calling someone, begin the process of working him by simply listening to the operator's style. Developing a technique of "sneaking" in your call when others are catching their breaths often yields rewarding results.

Phonetics

Using the phonetic alphabet is one of the hallmark attributes of phone operating. Instead of signing your callsign as KX1FS, be sure to say "Kilo Xray One Foxtrot Sierra." Also, remember to use the standard phonetic alphabet whenever possible. While it may be fun to use "Albino Rabbit" instead of "Alfa Romeo," you'll soon discover that other stations won't be able to decode your clever operating style!

Split Operation

When DX stations start to have too many stations calling

them, they often will utilize "split operation" as a way of managing the pileup. The cue that this is taking place is that the operator will often announce a different listening frequency (i.e., saying "listening up 5" or sending "up 3" on

CW). This actually makes it easier on both the DX station and those calling as well. By operating split, you can take advantage of the fact that not everyone calls on the same split frequency. Timing your calls a little above or below the fray can often help get your call in the log sooner. Note that many DX stations will transmit outside the US phone bands but will listen within them.

Tricks of Morse

One of the most important ways to improve your Morse code operating skill is to always stretch yourself beyond your comfort level when it comes to speed. Think of CW as lifting weights. By lifting a little more than what you're accustomed to, you'll eventually make the heavier weight your new standard.

No matter what your skill level, avoid exceeding the operating speed of the other station you're trying to work. Also, if conditions are marginal, slow down. It's like driving in bad weather. Poor/noisy conditions require slower CW speeds for greatest results. While you may be intimidated at first by a band filled with 20-wpm Extra class operators who seem to know it all, your on-air skills will rise at meteoric rates.

Dive on In!

Breaking into the ranks of good HF operators is akin to learning how to drive a car. You may be a little uncomfortable at first, but the knack of being a skilled HFER will come very quickly. It just takes a little experience and a desire to dive in. After your first QSO, you'll be glad you started your journey!

Q—S I G N A L S

- QRA** What is the name of your station? The name of my station is ____.
- QRB** How far are you from my station? I am ____ km from you station
- QRD** Where are you bound and where are you coming from? I am bound ____ from ____.
- QRG** Will you tell me my exact frequency? Your exact frequency is ____ kHz.
- QRH** Does my frequency vary? Your frequency varies.
- QRI** How is the tone of my transmission? The tone of your transmission is ____ (1-Good, 2-Variable, 3-Bad.)
- QRJ** Are you receiving me badly? I cannot receive you, your signal is too weak.
- QRK** What is the intelligibility of my signals? The intelligibility of your signals is ____ (1-Bad, 2-Poor, 3-Fair, 4-Good, 5-Excellent.)
- QRL** Are you busy? I am busy, please do not interfere
- QRM** Is my transmission being interfered with? Your transmission is being interfered with ____ (1-Nil, 2-Slightly, 3-Moderately, 4-Severely, 5-Extremely.)
- QRN** Are you troubled by static? I am troubled by static ____ (1-5 as under QRM.)
- QRO** Shall I increase power? Increase power.
- QRP** Shall I decrease power? Decrease power.
- QRQ** Shall I send faster? Send faster (____ WPM.)
- QRR** Are you ready for automatic operation? I am ready for automatic operation. Send at ____ WPM.
- QRS** Shall I send more slowly? Send more slowly (____ WPM.)
- QRT** Shall I stop sending? Stop sending.
- QRU** Have you anything for me? I have nothing for you.
- QRV** Are you ready? I am ready.
- QRW** Shall I inform ____ that you are calling? Please inform ____ that I am calling.
- QRX** When will you call me again? I will call you again at ____ hours.
- QRY** What is my turn? Your turn is numbered ____.
- QRZ** Who is calling me? You are being called by ____.
- QSA** What is the strength of my signals? The strength of your signals is ____ (1-Scarcely perceptible, 2-Weak, 3-Fairly Good, 4-Good, 5-Very Good.)
- QSB** Are my signals fading? Your signals are fading.
- QSD** Is my keying defective? Your keying is defective.
- QSG** Shall I send ____ messages at a time? Send ____ messages at a time.
- QSJ** What is the charge to be collected per word to ____ including your international telegraph charge? The charge to be collected per word is ____ including my international telegraph charge.
- QSK** Can you hear me between you signals and if so can I break in on your transmission? I can hear you between my signals, break in on my transmission.
- QSL** Can you acknowledge receipt? I am acknowledging receipt.
- QSM** Shall I repeat the last message which I sent you? Repeat the last message.
- QSN** Did you hear me on ____ kHz? I did hear you on ____ kHz.
- QSO** Can you communicate with ____ direct or by relay? I can communicate with ____ direct (or by relay through ____.)

Q—S I G N A L S

(Continued)

- QSP** Will you relay to ____? I will relay to ____.
- QSQ** Have you a doctor on board? (or is ____ on board?) I have a doctor on board (or ____ is on board.)
- QSU** Shall I send or reply on this frequency? Send a series of Vs on this frequency.
- QSV** Shall I send a series of Vs on this frequency? Send a series of Vs on this frequency.
- QSW** Will you send on this frequency? I am going to send on this frequency.
- QSY** Shall I change to another frequency? Change to another frequency.
- QSZ** Shall I send each word or group more than once? Send each word or group twice (or ____ times.)
- QTA** Shall I cancel message number ____? Cancel message number ____.
- QTB** Do you agree with my counting of words? I do not agree with your counting of words. I will repeat the first letter or digit of each word or group.
- QTC** How many messages have you to send? I have ____ messages for you.
- QTE** What is my true bearing from you? Your true bearing from me is ____ degrees.
- QTG** Will you send two dashes of 10 seconds each followed by your call sign? I am going to send two dashes of 10 seconds each followed by my call sign.
- QTH** What is your location? My location is ____.
- QTI** What is your true track? My true track is ____ degrees.
- QTJ** What is your speed? My speed is ____ km/h.
- QTL** What is your true heading? My true heading is ____ degrees.
- QTN** At what time did you depart from ____? I departed from ____ at ____ hours.
- QTO** Have you left dock (or port)? I have left dock (or port).
- QTP** Are you going to enter dock (or port)? I am going to enter dock (or port.)
- QTQ** Can you communicate with my station by means of the International Code of Signals? I am going to communicate with your station by means of the International Code of Signals.
- QTR** What is the correct time? The time is ____.
- QTS** Will you send your call sign for ____ minutes so that your frequency can be measured? I will send my call sign for ____ minutes so that my frequency may be measured.
- QTU** What are the hours during which your station is open? My station is open from ____ hours to ____ hours.
- QTV** Shall I stand guard for you on the frequency of ____ kHz? Stand guard for me on the frequency of ____ kHz.
- QTX** Will you keep your station open for further communication with me? I will keep my station open for further communication with you.
- QUA** Have you news of ____? I have news of ____.
- QUB** Can you give me information concerning visibility, height of clouds, direction and velocity of ground wind at ____? Here is the information you requested...
- QUC** What is the number of the last message you received from me? The number of the last message I received from you is ____.
- QUD** Have you received the urgency signal sent by ____? I have received the urgency signal sent by ____.
- QUF** Have you received the distress signal sent by ____? I have received the distress signal sent by ____.
- QUG** Will you be forced to land? I am forced to land immediately.
- QUH** Will you give me the present barometric pressure? The present barometric pressure is ____ (units).

THE RST (READABILITY-STRENGTH-TONE) SYSTEM

The RST System of Signal Reporting has been used for years (circa 1934) as a shorthand method of reporting Readability, Signal Strength and for CW, Tone. For voice contacts only the R and S are used. The S component is usually not the same as your S-Meter reading as most S-Meters aren't calibrated to track the RST System. Note that many DX operations and contest stations merely report 59(9) as a convenience to avoid having to log each of the real reports. A questionable practice but a fact of DXing/Contesting .

READABILITY

- 1 -- Unreadable
- 2 -- Barely readable, occasional words distinguishable
- 3 -- Readable with considerable difficulty
- 4 -- Readable with practically no difficulty
- 5 -- Perfectly readable

SIGNAL STRENGTH

- 1 -- Faint signals, barely perceptible
- 2 -- Very weak signals
- 3 -- Weak signals
- 4 -- Fair signals
- 5 -- Fairly good signals
- 6 -- Good signals
- 7 -- Moderately strong signals
- 8 -- Strong signals
- 9 -- Extremely strong signals

TONE

- 1 -- Sixty cycle a.c. or less, very rough and broad
- 2 -- Very rough a.c. , very harsh and broad
- 3 -- Rough a.c. tone, rectified but not filtered
- 4 -- Rough note, some trace of filtering
- 5 -- Filtered rectified a.c. but strongly ripple-modulated
- 6 -- Filtered tone, definite trace of ripple modulation
- 7 -- Near pure tone, trace of ripple modulation
- 8 -- Near perfect tone, slight trace of modulation
- 9 -- Perfect tone, no trace of ripple or modulation of any kind

It is very common to send RST reports in abbreviated form, for example 599, is sent as 5NN. "N" in place of the number "9". Also another time saver is for the zero using a long "T". "T" is sent in place of the number zero as in "POWER HR IS 3TT WATTS". There is a number code for all numbers, however, the N and T codes are the most common ones.

SKYWARN INFORMATION NETS & UPCOMING EVENTS

As posted on <http://www.centralcarolinaskywarn.net/>

Every Tuesday at 9:15PM on the 146.88 repeater



CAROLINA HELPING HAMS

No events listed.

More details and sign-up information can be found on links from the Ham public service calendar at: www.hampublicservice.org



LINKS OF INTEREST



South Wake ARC Club website: <http://www.southwakearc.com/>

South Wake ARC Yahoo group: <http://groups.yahoo.com/group/southwakearc/>



Piedmont Coastal Repeater Network: <http://pcrn.net/>

Carolina 440 linked system: <http://www.carolina440.net/>



Central Carolina Skywarn: <http://www.centralcarolinaskywarn.net/>

SouthEastern Repeater Association: <http://www.sera.org/>



Wake County CERT: <http://www.wakecountycert.org/>

Wake County ARES/RACES: <http://www.wakeares.org/>



ARRL: <http://www.arrl.org/>

FCC Universal Licensing System: <http://wireless.fcc.gov/uls/index.htm?job=home>



Hamfest calendar: <http://k4hm.net/calendar.php>

NC Canine Emergency Response Team: <http://www.nccert.org/>



Capital Area Radio Testing Group: <http://www.cartgroup.org>

UPCOMING HAMFESTS AND CONVENTIONS

May 23: DurHAMfest, Bahama

Contact: Linda Jackson, KF4LJZ
Phone: 919-477-8368
Email: kf4ljz@aol.com
Little River Community Complex
[8307 North Roxboro Road](http://www.littlerivercommunity.com)
Bahama, NC

June 13: Winston-Salem Classic Hamfest

Contact: Henry Heidtmann, W2DZO
Phone: 336-245-5740
Email: info@w4nc.org

Dixie Classic Fairgrounds (Home and Garden Building)

[421 West 27th Street](http://www.dixieclassic.com)
Winston-Salem, NC

July 18: Mid-Summer Swapfest

Contact: Herb Lacey, W3HL
Phone: 919-467-9608
Email: w3hl@arrl.net
Ritter Park
[301 West Lochmere Drive](http://www.ritterpark.com)
Cary, NC

SOUTH WAKE AMATEUR RADIO CLUB

Address	Officers			
PO Box 1565 Fuquay-Varina, NC 27526	President:	Tim Ruffin	W4TAR	timruffin@earthlink.net
	Vice President:	Tommy Williams	KI4VSO	ki4vso@gmail.com
	Secretary:	Jennifer Avery	KI4TFO	jennavery@charter.net
	Treasurer:	Donn Harris	NC4DH	nc4dh@embarqmail.com
	Membership Director:	Dale Whitlock	AI4WF	ai4wf@nc.rr.com
	Director of Large:	Steve Mowels	KA0GMY	ka0gmy@bellsouth.net

Public Service Through Amateur Radio

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of our members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

2008 / 2009 MEMBER ROSTER

Full Members:

AA4XX Paul Stroud
 AE4PC Phil Cunningham
 AI4OZ Don Sharer
 AI4UP Vessie Whitlock
 AI4WF Dale Whitlock
 AJ4KZ Mark Womack
 K4HM Hank Montgomery
 K4ITL Danny Hampton*
 K4JDR Ronnie Casey
 K4MSE Dave Yow
 K4VJC Velda Callam
 K7BKX David Goodfellow
 K9RII Jim Young
 KA0GMY Steve Mowels
 KA1CZI Stan Czyrnik
 KB4BLU Jim Staley
 KC4OVF Debbie Turlington
 KD4OKR Mike Ramsey
 KD4UJC Mike Callam
 KE4RUN Hargrove Davis
 KF4RDN Glenn Crissman
 KF4USQ Anna Crissman
 KG4HPE Patricia Babb
 KG4RMT Selene Montgomery
 KG4WFD Chris Caudle
 KH2TI Becky Wingfield
 KI4BRZ Randy Kemp
 KI4GNC Smokey Powell

KI4HDZ Grady Johnson
 KI4PMI Barry Emery
 KI4SHY Peggy Sharer
 KI4TFO Jennifer Avery
 KI4TWW Haley Whitlock
 KI4TWY Roy Avery
 KI4VSO Tommy Williams
 KI4WAI Harley Britton
 KI4YII Arthur Strong
 KJ4CXY Dennis Parker
 KJ4DNE Dan Britton
 KJ4DNS Ron Rasberry
 KI4YXO Gino Fernandini
 KJ4AEO Christy Fernandini
 KJ4FYX Jeremy Barnard
 KJ4GIZ David Whitehurst
 KJ4HNA David Caudle
 KJ4IHX Carl Sinclair
 NC4FB Fred Benson
 N4MRW Matt Wingfield
 NC4BJ "BJ" Jenkins
 NC4DH Donn Harris
 NC4MP Mark Perkins
 NC4RA Ryan Avery
 NC4XX Don Turlington
 W2ISG Roger Mathison
 W2RDU John Fiorentino
 W4FXE Ken Medlin
 W4TAR Tim Ruffin

W4RJF Ronald Ford
 W4VCF Jim Williams
 WA2YBM Jack Donnelly
 WA4AZL Neil Little
 WB4BAH Tim Kemp**
 WW4TLB Thomas Babb

63 Full Members
 4 Associate Members
 67 Total Members.

Associate Members:

Nancy Avery
 Gloria Mowels
 Philip Whitehurst
 Katie Whitlock

* Lifetime Member

** Silent Key

New member since last newsletter